FIG. 1

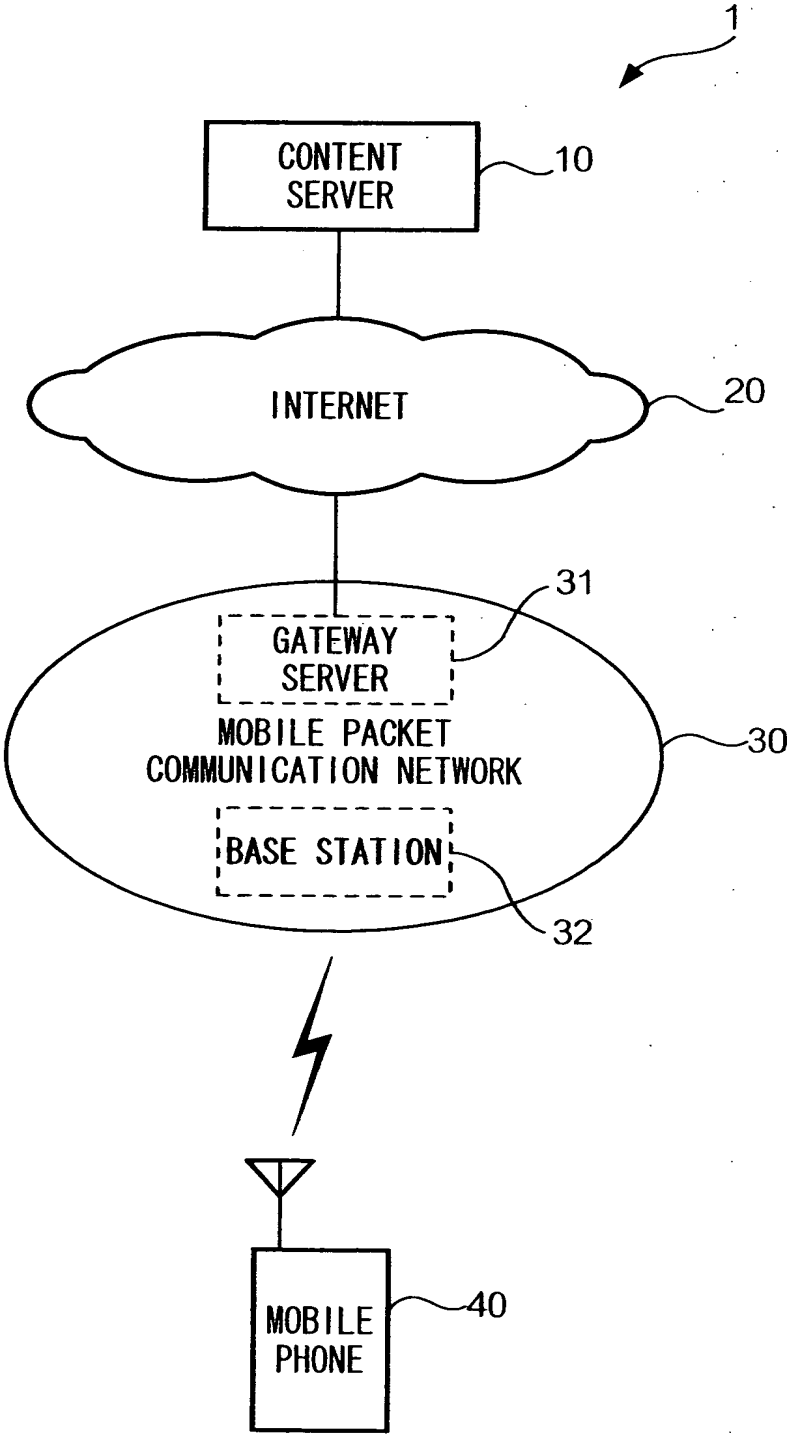

1
CONTENT SERVER
10
INTERNET
20
31
GATEWAY SERVER
MOBILE PACKET COMMUNICATION NETWORK
30
BASE STATION
32
MOBILE PHONE
40

FIG. 2

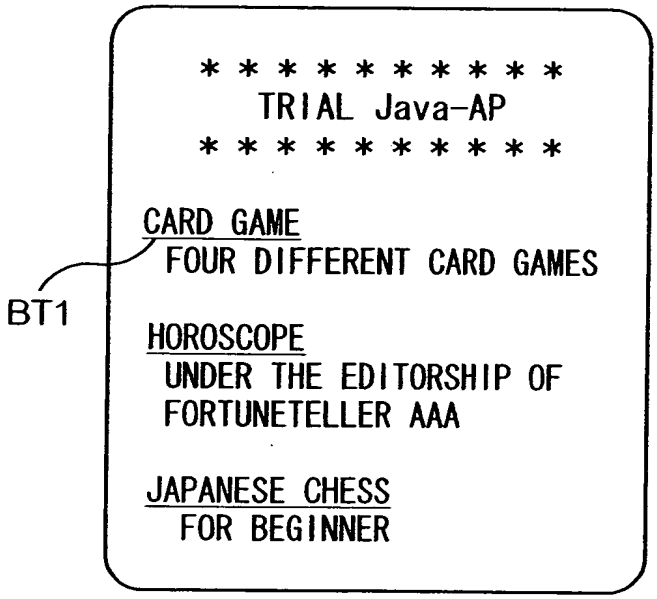


FIG. 3

```
<OBJECT declare id="application. declaration"
data="http://WWW.CCC.co.jp/cardgame/jam">
CARD GAME
</OBJECT>
SOFTWARE FOR~. CLICK<A ilet = "application.
declaration"> HERE</A>TO TRY.
```

FIG. 4

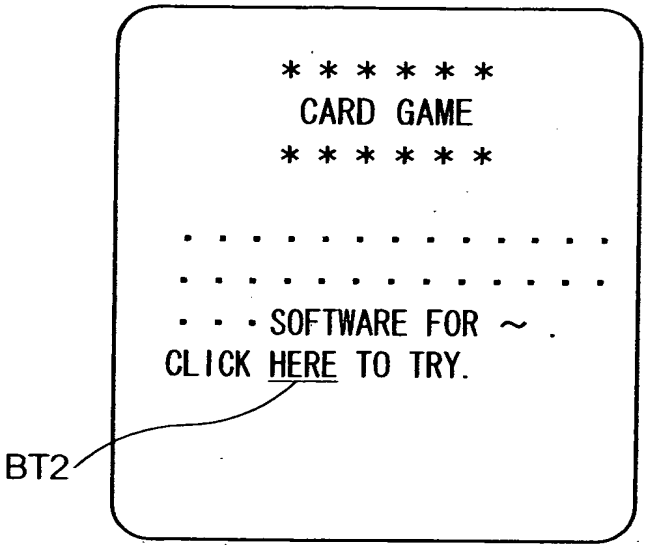
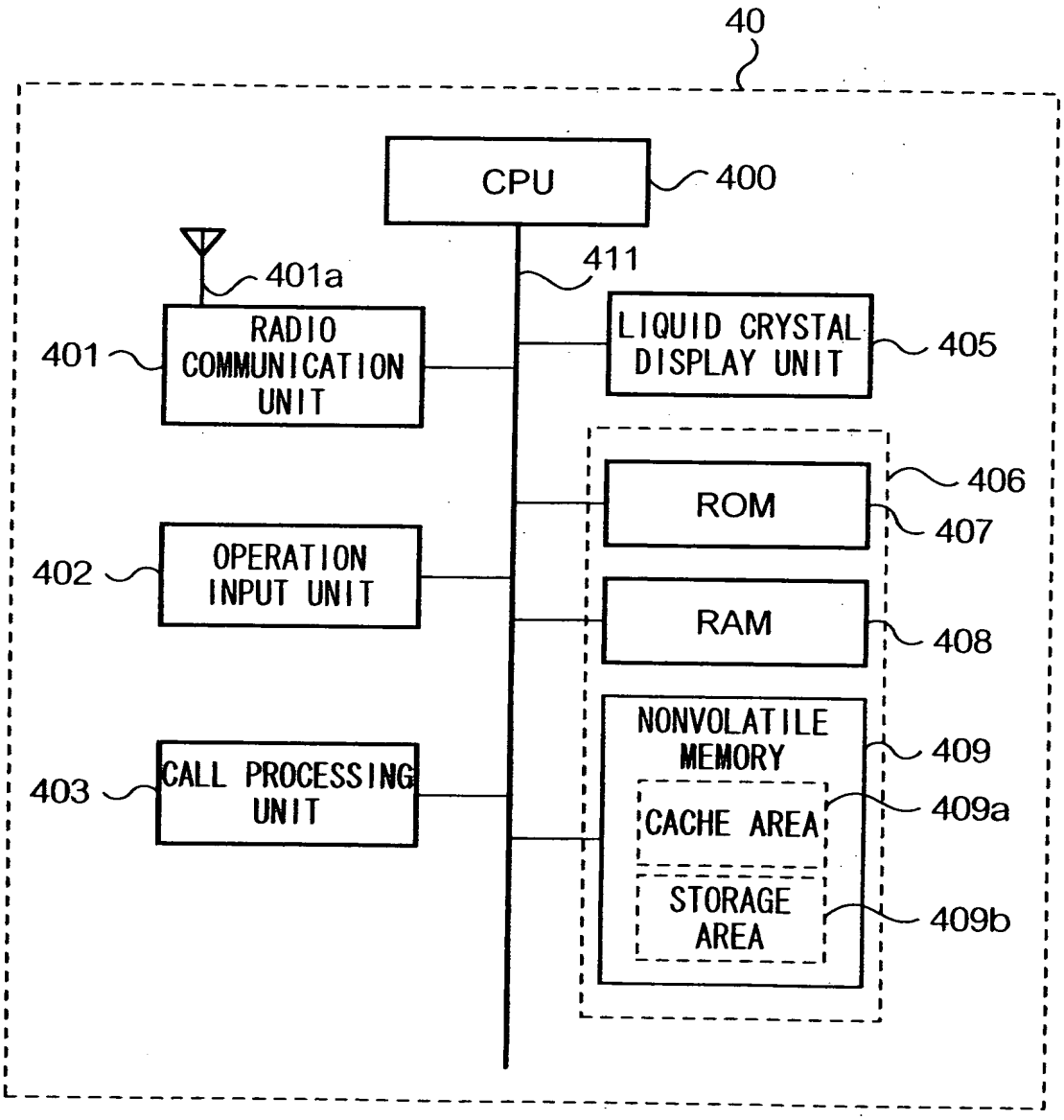


FIG. 5

ITEM NAME	ESSENTIAL/ OPTION	DATA
AppName	ESSENTIAL	cardgame
PackageURL	ESSENTIAL	http://www.ccc.co.jp/cardgame.jar
AppClass	ESSENTIAL	
LastModified	ESSENTIAL	2001/10/01
AppSize	OPTION	
GetUTN	OPTION	
AccsessUserInfo	OPTION	
LaunchApp	OPTION	
GetSysInfo	OPTION	
userNetwork	OPTION	
IletPreserve	OPTION	
⋮	⋮	⋮

FIG. 6


40
CPU
400
411
401a
401
RADIO COMMUNICATION UNIT
LIQUID CRYSTAL DISPLAY UNIT
405
406
ROM
407
402
OPERATION INPUT UNIT
RAM
408
NONVOLATILE MEMORY
409
403
CALL PROCESSING UNIT
CACHE AREA
409a
STORAGE AREA
409b

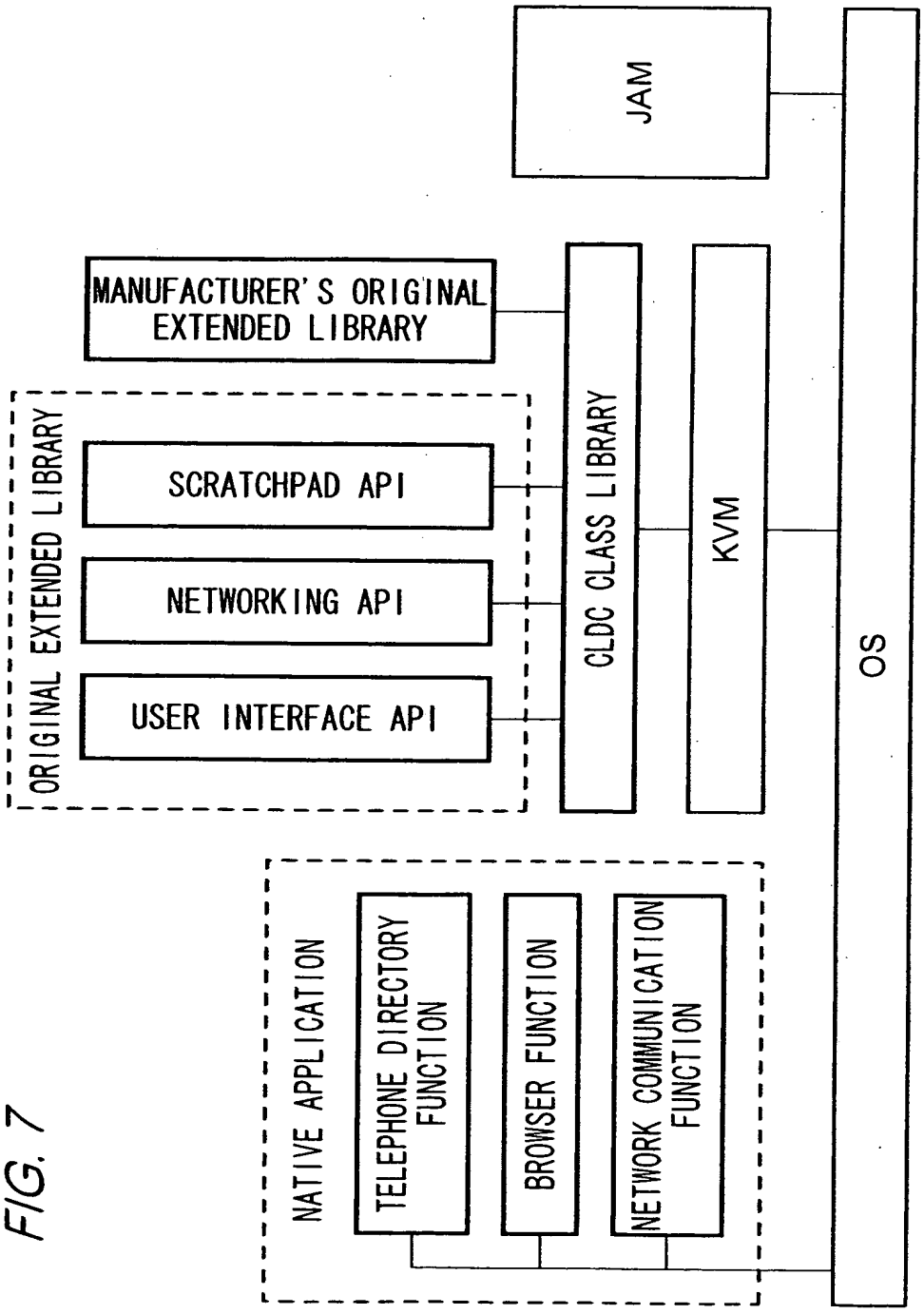

JAM
MANUFACTURER'S ORIGINAL EXTENDED LIBRARY
ORIGINAL EXTENDED LIBRARY
SCRATCHPAD API
NETWORKING API
USER INTERFACE API
CLDC CLASS LIBRARY
KVM
OS
NATIVE APPLICATION
TELEPHONE DIRECTORY FUNCTION
BROWSER FUNCTION
NETWORK COMMUNICATION FUNCTION

FIG. 7

FIG. 8

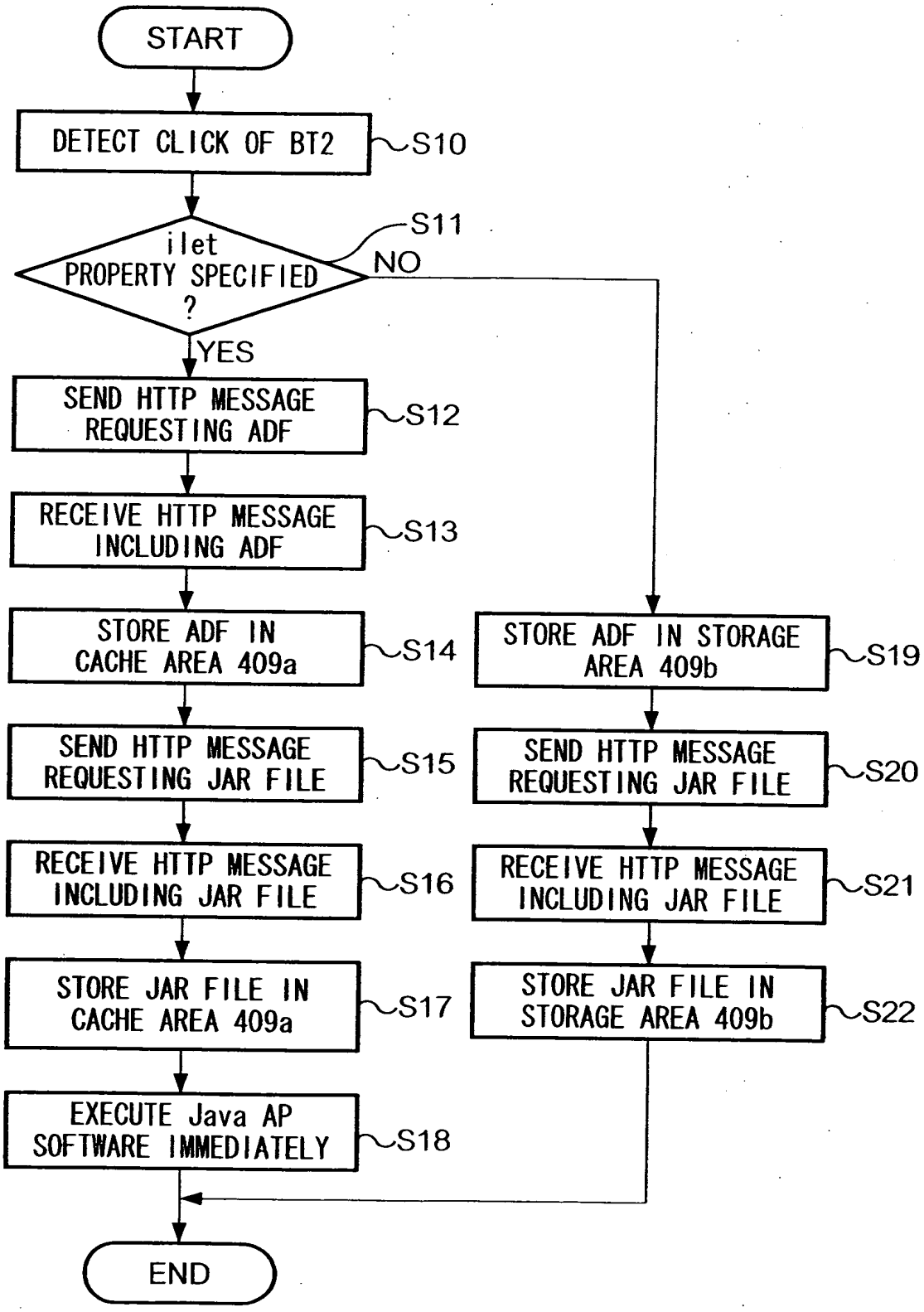

START
DETECT CLICK OF BT2
S10
ilet PROPERTY SPECIFIED ?
S11
NO
YES
SEND HTTP MESSAGE REQUESTING ADF
S12
RECEIVE HTTP MESSAGE INCLUDING ADF
S13
STORE ADF IN CACHE AREA 409a
S14
SEND HTTP MESSAGE REQUESTING JAR FILE
S15
RECEIVE HTTP MESSAGE INCLUDING JAR FILE
S16
STORE JAR FILE IN CACHE AREA 409a
S17
EXECUTE Java AP SOFTWARE IMMEDIATELY
S18
STORE ADF IN STORAGE AREA 409b
S19
SEND HTTP MESSAGE REQUESTING JAR FILE
S20
RECEIVE HTTP MESSAGE INCLUDING JAR FILE
S21
STORE JAR FILE IN STORAGE AREA 409b
S22
END

FIG. 9

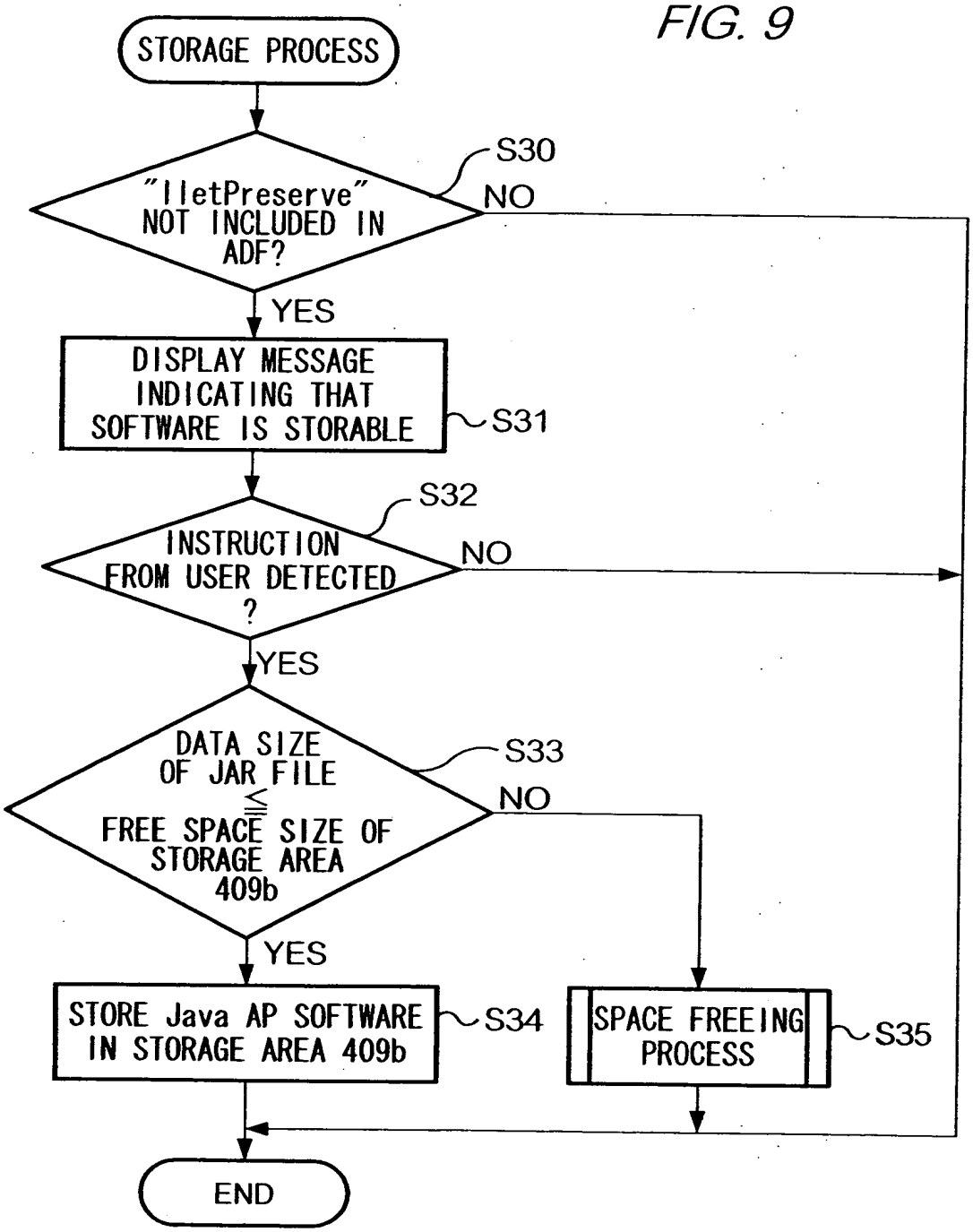
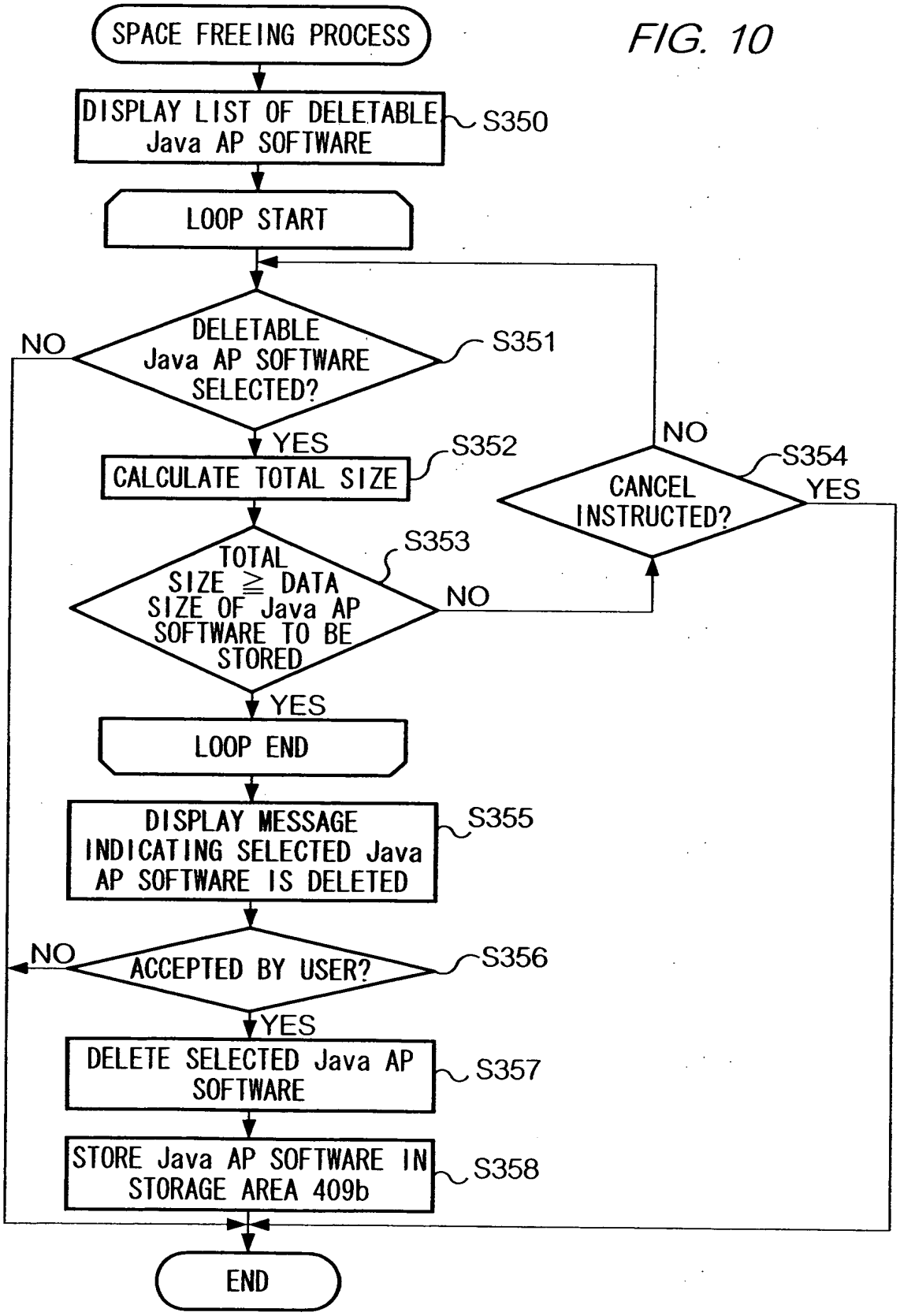

STORAGE PROCESS
"IletPreserve" NOT INCLUDED IN ADF?
S30
NO
YES
DISPLAY MESSAGE INDICATING THAT SOFTWARE IS STORABLE
S31
INSTRUCTION FROM USER DETECTED ?
S32
NO
YES
DATA SIZE OF JAR FILE ≦ FREE SPACE SIZE OF STORAGE AREA 409b
S33
NO
YES
STORE Java AP SOFTWARE IN STORAGE AREA 409b
S34
SPACE FREEING PROCESS
S35
END

FIG. 10


SPACE FREEING PROCESS
DISPLAY LIST OF DELETABLE Java AP SOFTWARE
S350
LOOP START
DELETABLE Java AP SOFTWARE SELECTED?
S351
NO
YES
CALCULATE TOTAL SIZE
S352
TOTAL SIZE ≧ DATA SIZE OF Java AP SOFTWARE TO BE STORED
S353
NO
YES
CANCEL INSTRUCTED?
S354
NO
YES
LOOP END
DISPLAY MESSAGE INDICATING SELECTED Java AP SOFTWARE IS DELETED
S355
ACCEPTED BY USER?
S356
NO
YES
DELETE SELECTED Java AP SOFTWARE
S357
STORE Java AP SOFTWARE IN STORAGE AREA 409b
S358
END